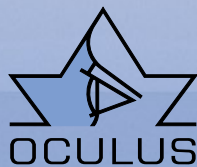




OCULUS  
CENTERFIELD 2



OCULUS

We focus on progress

# OCULUS CENTERFIELD 2

## A new dimension in visual field measurement

### All Measurement Principles in a Single Device

#### Static Perimetry

Numerous threshold strategies, supraliminal and user-defined programs.

#### Test of the Whole Visual Field

Examinations up to 70° are possible with fixation shift.

#### Kinetic Perimetry

Automatic examination on pre-programmed or user-defined meridians.

#### Color Perimetry

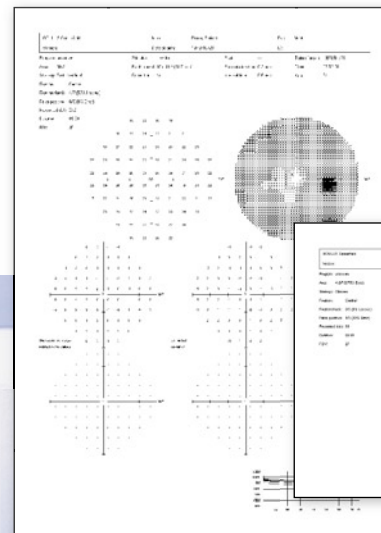
A blue stimulus on a yellow background can be presented in static and kinetic perimetry.

#### Goldmann Standard

Stimulus luminance and size correspond to the Goldmann standard in static and kinetic perimetry.

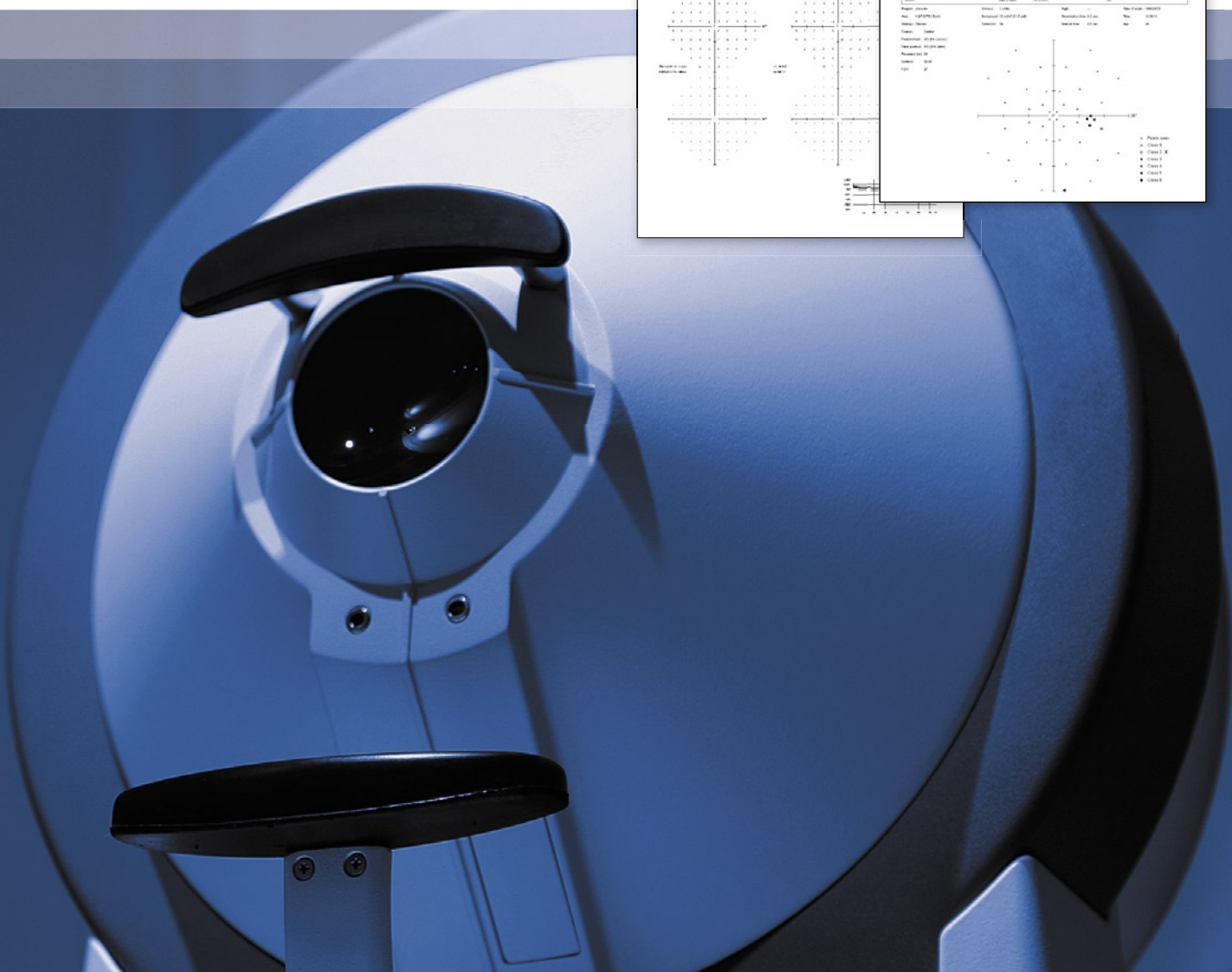
#### CLIP (Continuous light increment perimetry)

(Continuous light increment perimetry)  
The unique real threshold test that outperforms most interpolation based algorithms.



→ dB-values (abs./rel.)  
gray scale tones

↓ International  
overview



## Technical Highlights

### Advanced Type of Projection System

The new projection system ensures precise display and reproducibility of stimuli on a 30cm bowl radius.

### Easy-to-use-PC

Notebook or PC-controlled microprocessor system. Compatible with current software modules for medical practices.

### The Future is Assured

The hardware concept permits easy upgrading in future as well. The intuitive user interface also permits the creation of individual programs and reduces operator training time significantly.

### Self-Contained

The self-contained measurement system makes examination largely independent of room illumination. Perimetry therefore no longer needs to be carried out in an absolutely dark room.

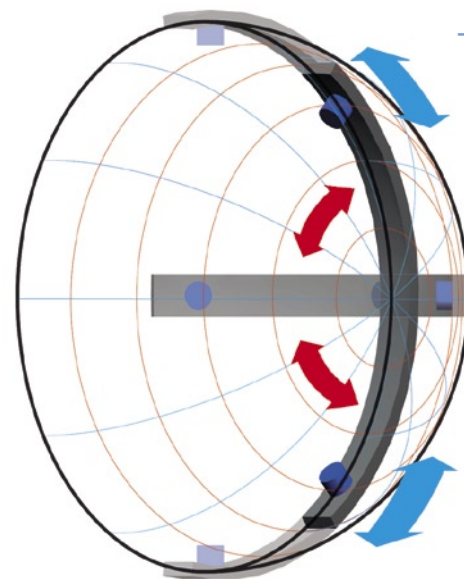


### Comfort

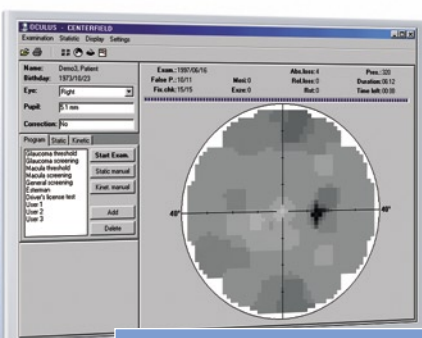
The ergonomic, compact design and the uncomplicated test procedures improve patient compliance and contribute to best possible total results.



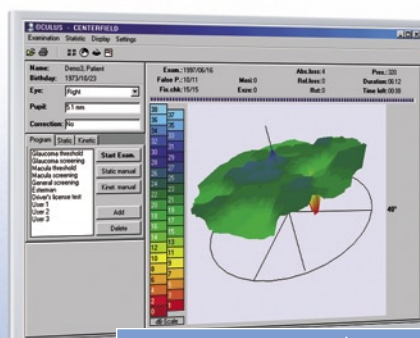
→ Optional backpack for mobile use



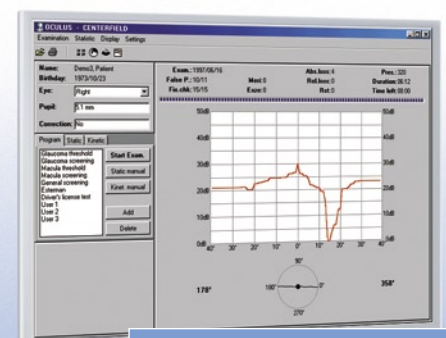
→ Technical principle of projection system



Gray-scale display



3D animation abs./rel.

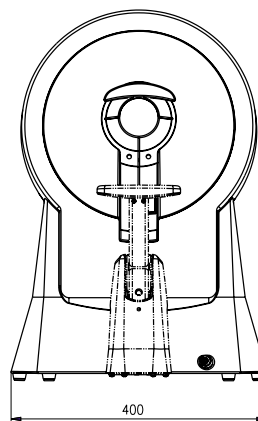
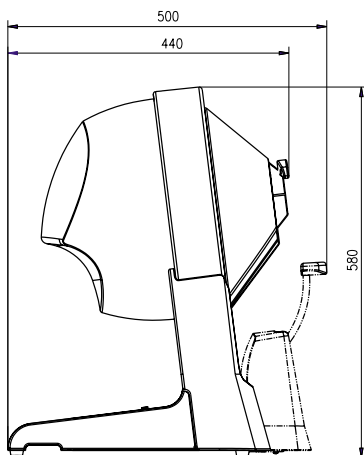


Profile display

## Technical Data – CENTERFIELD 2

Perimeter bowl radius	$r=11.8^\circ$ (30 cm)
Test point parameter	Corresponding to the Goldmann standard
Stimulus size	III
Stimulus luminance range	0.1–318 cd/m <sup>2</sup> (1000 asb)
Stimulus luminance increments	0.1 log steps
Test speed	Adaptiv / fast / normal / slow / user defined
Test point colors	White / blue
Eccentricity	36° / 70° with fixation shift
Background brightness	10 cd/m <sup>2</sup> (32 asb)
Fix Control	CCD camera, via central threshold, Heijl-Krakau
Patient positioning	Headrest adjustable back-to-front Option: Chin-rest with motorized height adjustment
Weight	28.7 lbs (13 kg) chin rest: 2.6 lbs (1.2 kg)
Electrical operating voltage	100V–240V
Control	PC / laptop via USB
PC minimum-requirements	State of the art PC (AMD / Intel 500 MHz, RAM 156 MB, VGA 800x600) Windows™ 98 SE or above, USB-port
Static perimetry	Classical (4-2) threshold. Fast threshold adapted to surroundings. CLIP, continuous light increment perimetry Threshold-oriented ( <i>supraliminal</i> ) class strategy. Supra-threshold 2-zone, Supra-threshold 3-zone, Supra-threshold quantify defects. Minimum of 10 areas/test point grids. Freely definable sectors in the 36°/70° range. Freely selectable individual points (191/249) in the 30°/70° range.
Kinetic perimetry	Automatic: Freely selectable meridians ( <i>min.</i> 2°), sectors and speeds, in the 36° range. May be combined with blue and with static programs.

CE According to Medical Device Directive 93/42/EEC



WWW.OCULUS.DE

OCULUS Optikgeräte GmbH

Postfach • D-35549 Wetzlar

Tel. ++49-641-2005-0 • Fax ++49-641-2005-295

E-Mail: export@oculus.de • www.oculus.de

OCULUS Inc.

#112 • 2125 196<sup>th</sup> Street SW • Lynnwood • WA 98036

Toll free 1-888-284-8004 • Fax ++1-425-670-0742

E-Mail: sales@oculususa.com • www.oculususa.com



Oculus is certified by TÜV according to  
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